Name Date

Test review quiz B

Chapter

1

Solve the equation. Check your solution, if possible.

1.  2. 

3.  4. 5x-7x+8=2x-5

5.  6. 

7.  8. 3(5x-7)=2x+10

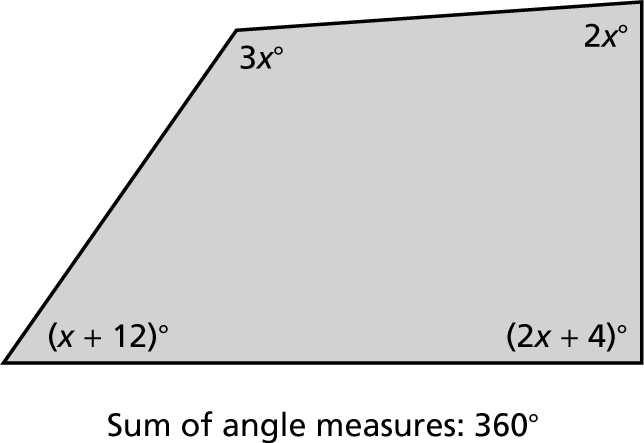
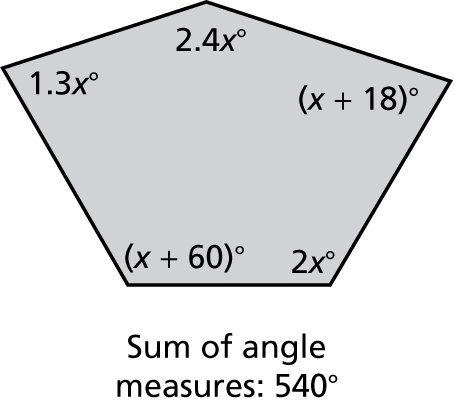
9.  10. 

11. The formula for simple interest is 

|  |  |
| --- | --- |
| *I* | $40 |
| *P* | ? |
| *r* | 4% |
| *t* | 2 |

**find P for given values.**

Find the value of *x*. Then find the angle measures of the polygon.

 **12.** **13.** 

14. The cost of your new book bag is $11.50 more than the cost *c* of   
your old book bag. You pay $47 for your new book bag. Write and  
solve an equation to find the cost of your old book bag.

15. You can rent a video game for $3.50. Your total cost of rentals   
for the month was $31.50. Write and solve an equation to find the number of video game rentals for the month.

16. You purchase 5 movies and a CD. The cost of the CD is $8.50. Your total bill before tax is $38.45. Write and solve an equation to find the cost of a movie.

17. Are there any values of *x* for which the areas of the two rectangles are the same? Explain. Are there any values of *x* for which the perimeters of the two rectangles are the same? If so, find such a value of *x*.

